

STANDARD

Mira band clamps are designed in compliance with DIN 3017, and are used to assemble all kinds of industrial hoses.

OPERATION

In case of smaller hose dimensions a single band clamp is used. For larger hose diameters the use of two bold clamps is recommended. When two Mira clamps are assembled on a serrated hose shank always place them in a quarter turn opposed to each other. This will prevent leakage.

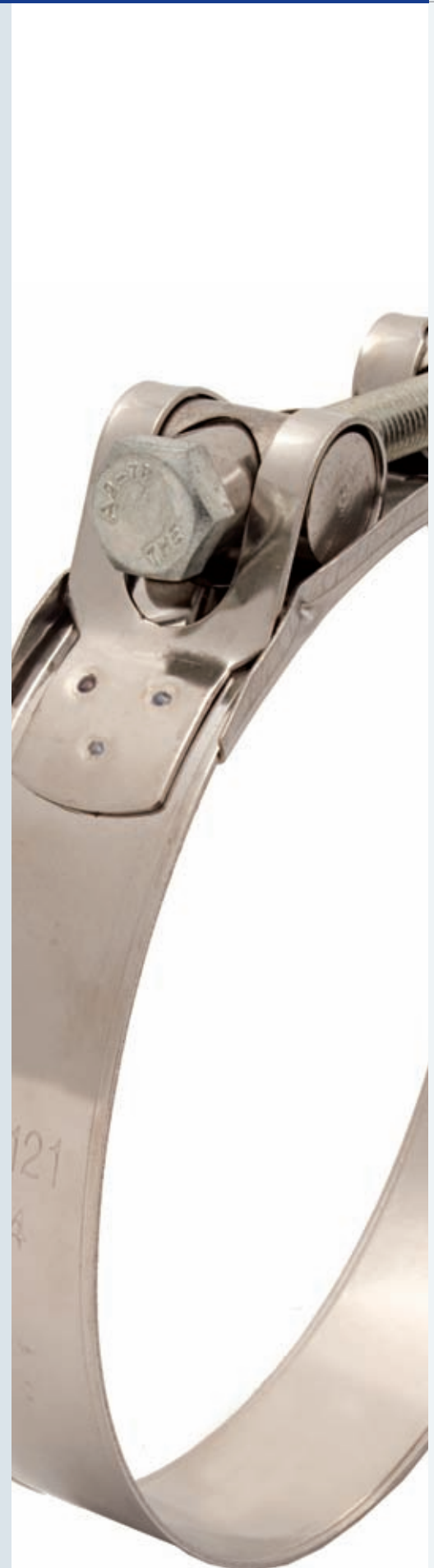
Mira band clamps are preferably assembled with a torque wrench. Always use the recommended torque value because clamping force is vital to prevent leakage or blow-off. When the screw of the Mira band clamp is tightened the inside bridge causes a straight assembly and protects the hose against the screwing system.

Thanks to the large band width together with the rounded band edges damage to the hose is prevented.

FEATURES



1. Tool spacer for easy assembly
2. Rounded bridge
3. High-quality spot welds for strength
4. Full bushing for strong bridge constructions
5. Guiding bridges guide the clamp ensuring smooth running when torqued tight
6. Rounded edge to prevent burrs and perforations when torqued tightly



APPLICATION

Sealing and retaining suction and pressure hoses with steel or plastic reinforcement and high shore hardness.

Torque moment - Nm for steel band clamps

HOSE DIAMETER MIN - MAX	NM STEEL CLAMP	NM SS CLAMP	HOSE DIAMETER MIN - MAX	NM STEEL CLAMP	NM SS CLAMP
17 - 19	4.5	25.0	86 - 91	25.0	50.0
20 - 22	4.5	25.0	92 - 97	25.0	50.0
23 - 25	4.5	25.0	98 - 103	25.0	50.0
26 - 28	4.5	25.0	104 - 112	25.0	50.0
29 - 31	8.0	25.0	113 - 121	25.0	50.0
32 - 35	8.0	25.0	122 - 130	25.0	50.0
36 - 39	8.0	25.0	131 - 139	50.0	50.0
40 - 43	8.0	50.0	140 - 148	50.0	50.0
44 - 47	16.0	50.0	149 - 162	50.0	50.0
48 - 51	16.0	50.0	163 - 174	50.0	50.0
52 - 55	16.0	50.0	174 - 187	50.0	50.0
56 - 59	16.0	50.0	188 - 200	50.0	50.0
60 - 63	16.0	50.0	210 - 213	50.0	50.0
64 - 67	16.0	50.0	214 - 226	50.0	50.0
68 - 73	25.0	50.0	227 - 239	50.0	50.0
74 - 79	25.0	50.0	240 - 252	50.0	50.0
80 - 85	25.0	50.0			

Nm= maximum advised torque moment, we recommend working at 72% of the maximum values

MATERIAL

	MIRA CLAMP	MIRAR CLAMP
Clamp	W1, galvanised steel band	W4, stainless steel AISI 304 - EN 1.4301
Bushing	Zinc-plated Q235LL	W4, Stainless steel AISI 304 - EN 1.4301
Screw	8.8	Stainless steel A2 - galvanized
Bridge	W1, galvanised steel plate	Stainless steel AISI 304 - EN 1.4301

W1 clamps are the most frequently used. W4 clamps are recommended where greater corrosion resistance is required. We recommend W5 for use in high-corrosion environments.

W 1 Galvanised steel band. Low corrosion resistance.

Application: Household and indoor plumbing applications.

W 2 Chrome steel band and housing (AISI 430 – EN 1.4016). Zinc-plated mild steel screw. Low to average corrosion resistance, ensuring that corroded connections can be loosened.

Application: Cars, trucks and mechanical engineering applications with low corrosion-resistance requirements.

W 3 All components in chrome steel (AISI 430 – EN 1.4016). W3 is used exclusively in original equipment applications. Medium corrosion resistance.

Application: Automotive industry.

W 4 Nickel chrome steel band (AISI 304 – EN 1.4301, also known as V2A). High corrosion resistance and bright durable surface.

Application: For critical automotive connections, such as fuel lines (SM 9 clamps made from W4), top-grade mechanical engineering applications, agricultural machinery, motorcycles, outdoor signage and hose applications and stainless steel flu assembly.

W 5 All components in nickel chrome molybdenum steel (AISI 316 – EN 1.4401, also known as V4A). W5 is saltwater-resistant and is very hard to magnetise. Maximum corrosion resistance. Used close to critical components and electronic circuits.

Application: Ship building, defence, food , sewage treatment, chemical and high-specification mechanical engineering applications.

THREADS

EN ISO 228-1, BSP metric size



MIRA BAND CLAMPS



MIRA BAND CLAMP: STEEL W1

ND	Band with mm +/- 1	Band thickness mm	Screw mm	Nm	Reference
17 - 19	18.0	0.6	M5	4.5	MIRA017
20 - 22	18.0	0.6	M5	4.5	MIRA020
23 - 25	18.0	0.6	M5	4.5	MIRA023
26 - 28	18.0	0.6	M5	4.5	MIRA026
29 - 31	20.0	0.6	M6	8.0	MIRA029
32 - 35	20.0	0.8	M6	8.0	MIRA032
36 - 39	20.0	0.8	M6	8.0	MIRA036
40 - 43	20.0	0.8	M6	8.0	MIRA040
44 - 47	22.0	1.2	M6	8.0	MIRA044
48 - 51	22.0	1.2	M6	8.0	MIRA048
52 - 55	22.0	1.2	M6	8.0	MIRA052
56 - 59	22.0	1.2	M6	8.0	MIRA056
60 - 63	22.0	1.2	M8	25.0	MIRA060
64 - 67	22.0	1.2	M8	25.0	MIRA064
68 - 73	24.0	1.5	M8	25.0	MIRA068
74 - 79	24.0	1.5	M8	25.0	MIRA074
80 - 85	24.0	1.5	M8	25.0	MIRA080
86 - 91	24.0	1.5	M8	25.0	MIRA086
92 - 97	24.0	1.5	M8	25.0	MIRA092
98 - 103	24.0	1.5	M8	25.0	MIRA098
104 - 112	24.0	1.5	M8	25.0	MIRA104
113 - 121	24.0	1.5	M8	25.0	MIRA113
122 - 130	24.0	1.5	M8	25.0	MIRA122
131 - 139	26.0	1.7	M10	50.0	MIRA131
140 - 148	26.0	1.7	M10	50.0	MIRA140
149 - 161	26.0	1.7	M10	50.0	MIRA148
162 - 174	26.0	1.7	M10	50.0	MIRA162
174 - 187	26.0	1.7	M10	50.0	MIRA175
188 - 200	26.0	1.7	M10	50.0	MIRA188
201 - 213	26.0	1.7	M10	50.0	MIRA201
214 - 226	26.0	1.7	M10	50.0	MIRA214
227 - 239	26.0	1.7	M10	50.0	MIRA227
240 - 252	26.0	1.7	M10	50.0	MIRA240



Material: W1, steel
Nm = torque moment

MIRA BAND CLAMPS



MIRA BAND CLAMP: STAINLESS STEEL W4

ND	Band with mm +/- 1	Band thickness mm	Screw mm	Nm	Reference
17 - 19	18.0	0.6	M5	25.0	MIRAR017
20 - 22	18.0	0.6	M5	25.0	MIRAR020
23 - 25	18.0	0.6	M5	25.0	MIRAR023
26 - 28	18.0	0.6	M5	25.0	MIRAR026
29 - 31	20.0	0.6	M6	25.0	MIRAR029
32 - 35	20.0	0.6	M6	25.0	MIRAR032
36 - 39	20.0	0.6	M6	25.0	MIRAR036
40 - 43	20.0	0.6	M6	50.0	MIRAR040
44 - 47	22.0	0.8	M6	50.0	MIRAR044
48 - 51	22.0	0.8	M6	50.0	MIRAR048
52 - 55	22.0	0.8	M6	50.0	MIRAR052
56 - 59	22.0	0.8	M6	50.0	MIRAR056
60 - 63	22.0	0.8	M8	50.0	MIRAR060
64 - 67	22.0	0.8	M8	50.0	MIRAR064
68 - 73	24.0	0.8	M8	50.0	MIRAR068
74 - 79	24.0	0.8	M8	50.0	MIRAR074
80 - 85	24.0	0.8	M8	50.0	MIRAR080
86 - 91	24.0	0.8	M8	50.0	MIRAR086
92 - 97	24.0	0.8	M8	50.0	MIRAR092
98 - 103	24.0	0.8	M8	50.0	MIRAR098
104 - 112	24.0	0.8	M8	50.0	MIRAR104
113 - 121	24.0	0.8	M8	50.0	MIRAR113
122 - 130	24.0	0.8	M8	50.0	MIRAR122
131 - 139	26.0	1.0	M10	50.0	MIRAR131
140 - 148	26.0	1.0	M10	50.0	MIRAR140
149 - 161	26.0	1.0	M10	50.0	MIRAR149
162 - 174	26.0	1.0	M10	50.0	MIRAR162
175 - 187	26.0	1.0	M10	50.0	MIRAR175
188 - 200	26.0	1.0	M10	50.0	MIRAR188
210 - 213	26.0	1.0	M10	50.0	MIRAR201
214 - 226	26.0	1.0	M10	50.0	MIRAR214
227 - 239	26.0	1.0	M10	50.0	MIRAR227
240 - 252	26.0	1.0	M10	50.0	MIRAR240



Material: W4, stainless steel AISI 304 - EN 1.4301
Nm = torque moment